

Title (en)
Stable pharmaceutical composition comprising bisphosphonate

Title (de)
Stabile pharmazeutische Zusammensetzung mit Bisphosphonat

Title (fr)
Composition pharmaceutique stable comprenant du bisphosphonate

Publication
EP 2363111 A1 20110907 (EN)

Application
EP 10155083 A 20100301

Priority
EP 10155083 A 20100301

Abstract (en)
It comprises a stable liquid pharmaceutical product in a glass container, said pharmaceutical product comprising bisphosphonate, obtainable by a process comprising: (i) mixing the bisphosphonate with at least one pharmaceutically acceptable excipient in an appropriate solvent to obtain a mixture, (ii) filling the mixture into the glass container, (iii) terminally heat sterilizing the filled glass container, and (iv) cooling the sterilized filled glass container within maximum 5 hours to at least room temperature.

IPC 8 full level
A61K 9/00 (2006.01); **A61K 31/663** (2006.01)

CPC (source: EP)
A61K 9/0019 (2013.01); **A61K 31/663** (2013.01)

Citation (applicant)
• WO 2005025551 A2 20050324 - NOVARTIS AG [CH], et al
• US 5662918 A 19970902 - WINTER GERHARD [DE], et al

Citation (search report)
• [XD] US 5662918 A 19970902 - WINTER GERHARD [DE], et al
• [X] WO 0222136 A1 20020321 - FAULDING F H & CO LTD [AU], et al
• [X] US 2006217350 A1 20060928 - KHATTAR DHIRAJ [IN], et al
• [X] US 5914323 A 19990622 - BRENNER GERALD S [US], et al

Citation (examination)
G. R. WILKINSON ET AL: "A shorter sterilising cycle for solutions heated in an autoclave", JOURNAL OF PHARMACY AND PHARMACOLOGY, vol. 12, no. S1, 31 December 1960 (1960-12-31), pages 197T - 202T, XP055045601

Citation (third parties)
Third party :
WILKINSON G.R. ET AL: "A shorter sterilising cycle for solutions heated in an autoclave", JOURNAL OF PHARMACY AND PHARMACOLOGY, vol. 12, no. S1, 31 December 1960 (1960-12-31), pages 197T - 202T, XP055045601

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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EP 2363111 A1 20110907; WO 2011107408 A1 20110909; ZA 201206447 B 20130626

DOCDB simple family (application)
EP 10155083 A 20100301; EP 2011052870 W 20110228; ZA 201206447 A 20120828